Original/Duplicate/Triplicate

# CONTRACT CERTIFICATE

(For Other Works)

No.1st Ra bill SBR No. 55/17-18 DATED 28-3-18

Division: Electricals (Yelahanka)

Sub-Division: **Electricals**

Date ..... 2017 EE/ELE/Y/BR No. 55/17-18

Bill Received No. Dated

Divisional / Sub Divisional Cash Book Voucher No..... Dated... Dt. 28-3-18

**Schedule Docket No.**

**Job Code :-001-18-000032**

**D.R.No. :**

Head of Account :**P -0190** Hon mayaal grants.

**Name of Work :-**Providing LED Lights to Down Bazar Road & surrounding areas in Ward No1.

**Name of Contractor and Full Address**: Technical Manager KRIDL BBMP Bengaluru .

**Reference to Agreement No:**EE/Ele/YZ/WO/000022 /17-18

Date:2/03/2018

Certified that the measurements were taken by me on 22/3/18 and recorded of Pages 31/833 to 838 of measurement Book No. 31(9)/17-18 and that the work is satisfactorily executed.

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 016

**Contractor**

**Officer-in-charge of work**

Certified that the measurement were taken by me on 22/3/18 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Assistant Executive Engineer (Ele)

**Sub-Division Officer**

II Memorandum of Payment

| | | BBMP, Bangalore |
|---|---|---|
| 1) | Total value of work done or supplies made as per account within | Bill= 2475228=00 |
| 2) | Deduct amount to be held in reserve being .....percent Rs..... | IT 2% 49505=00 |
| 3) | " Balance | SGST 1% 2475=00 |
| 4) | Deduct Payment: | CGST 1% 2475=00 |
| | a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... adjusted towards cash advance recovery of | LWC 1% 2475=00 |
| | | CBFD 1% 2475=00 |
| | b) Payments Now made } cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash. | FSD 7.50% 185642=00 |
| | | deductions= 311878=00 |
| 5) | Balance being unpaid value of work done held in reserve. | Chqee= 2163350=00 |
| 6) | Deduct cash advance made on the Office cash Book Voucher No.....dated.....less adjustments. | |
| 7) | Net amount due to or from Contractor unadjustments items. | |
| 8) | Advance to Contractor for materials brought to site (as detailed) within. | |
| 9) | Value of Government materials supplied. | |
| | Total amount adjusted - | |

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands)

Contractor's Signature

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 016

(For use in the Office)

Witness

1.

2.

Dated

Signature of Contractor

Paid by me by Cheque No. ..Dated.....

Cash Rs.....Dated.....

Initials of Officer making payment

Stamp

ಲೆಕ್ಕಶೀರ್ಷಿಕೆ P190 Hon mayaal grants

ರೂ: 2475228=00 ಮಾಡಿ ಸ್ವೀಕರಿಸಿದೆ

ರೂ: 2163350=00 ಚೆಕ್ಕಿನ ಮೂಲಕ ಪಾವತಿಮಾಡಿದೆ

ರೂ: 311878=00 ಜಮಾಮಾಡಿಸಿಕೊಳ್ಳಲಾಗಿದೆ

ಬಿಲ್ ಅಧೀಕ್ಷಕರು

ಕಾ.ಪಾ.ಅ.(ವಿ) ಯಲಹಂಕ ವಲಯ

**Executive Engineer**

| Sl. No | Description of Item | Unit |
|---|---|---|
| | **Name Of Work:-** Estimate for Providing LED Lights to Down Bazar Road & surrounding areas in Ward No1. | |
| 1 | LED Street light. Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs. 50000 hr. @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4 KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. | |
| | LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI 75+. housing with supplier word mark / name shall be engraved / Embossing on the die cast housing / body part. . Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED source manufacturer. Suitable for A1/A2 Roads as per IS 1944 Part I & Part II.90 Watts | Nos |
| 2 | Supplying and Fixing of.....mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 watts fluorescent tube street light fitting of all capacities to GI or CI or rail or RCC pole / wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires. Using 32mm dia G.I.pipe | Nos |
| 3 | Wiring for lighting/power circuit using one of PVC insulated 1100v grade stranded Aluminium unsheathed wire single core/multi core cable in open or consealed system of wiring. a)4 sqmm. | Mtrs |
| 4 | Fixing halogen/ metal hallide /SVL/IL/LED flood light fittings over existing pole/ wall ceiling including clamps bolts nuts and wiring using sitable capacity wires | Nos |
| | Total Rs | |
| | Add KRIDL Charges 11% | |
| | Total Rs | |

Certificate: 1. Certefied that the Above Work has been carreid out satisfactorily

T.N. Baddy
JE

Assistant Executive Engineer (Ele)
BBMP, Bangalore

| Previous Measurement | | Present Measurement | | | Total Upto Date | | Remarks |
|---|---|---|---|---|---|---|---|
| Qty | Cost | Qty | Rate | Amount | Qty | Cost | |
| | | 70 | 31250.00 | 2187500.00 | 70 | 2187500.00 | |
| | | 45 | 893.00 | 40185.00 | 45 | 40185.00 | |
| | | 300 | 7.50 | 2250.00 | 300 | 2250.00 | |
| | | 0 | 176.00 | 0.00 | 0 | 0.00 | |
| | | | | **2229935.00** | | **2229935.00** | |
| | | | | 245292.85 | | 245292.85 | |
| | | | | **2475227.85** | | **2475227.85** | |